

Christophe Clanet

Physics of Sports (I, II)

Physics consists in identifying repeatable sequences in our environment and finding the simplest underlying laws. In these two lectures, the environment is Sport. We will walk in the footprints of modern precursors, JB Keller and B. Benjamin and show that Sports do entangle a large number of physical concepts. The main chapters will be football, badminton, ski jump and athletics. In which we will discuss fluid mechanics, elasticity and statistical physics.